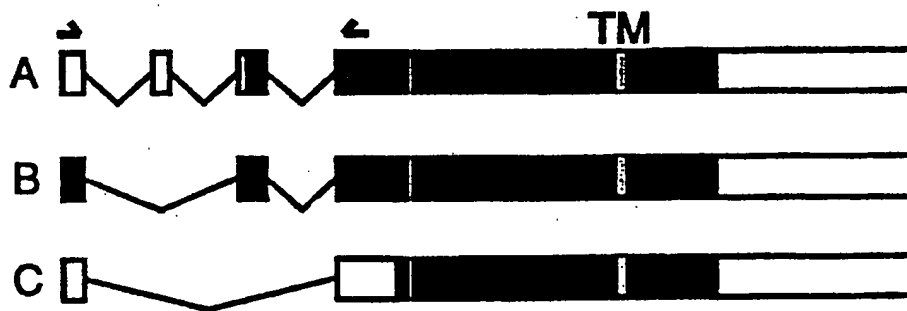
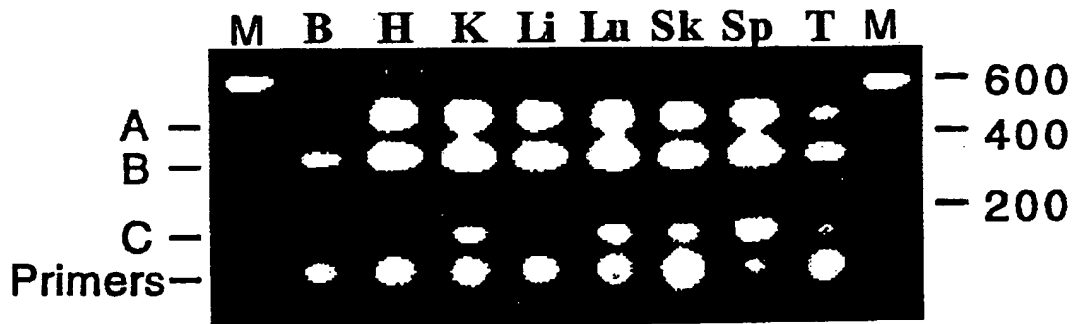
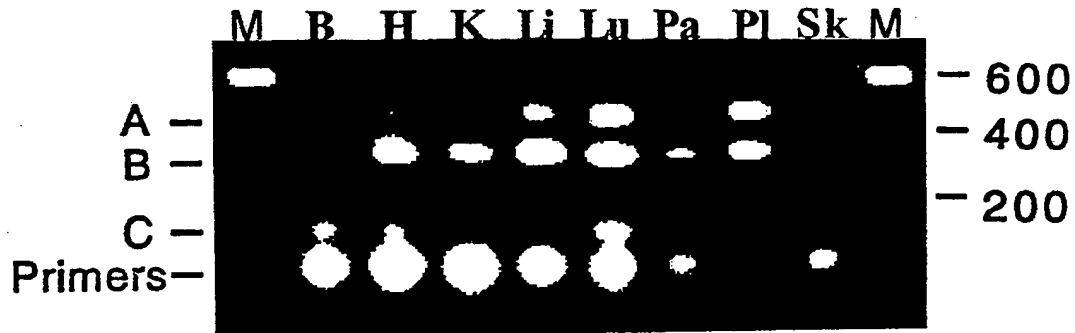


Intron	Position	5' to 3' sequence at EXON/intron boundary
1	135-136	GCGTGGAGgtatgtggctggagtcagct_
2	255-256	TCACGGAGgttagaatgctgagcacgta_
3	422-423	TTATCCAGgtaatgaatccacttttaca_

FIG. 1



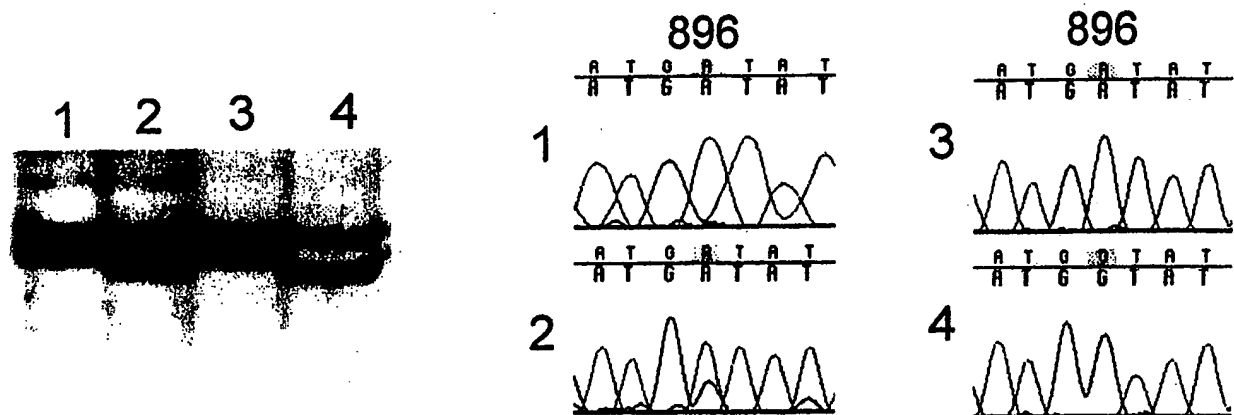


FIG. 3A

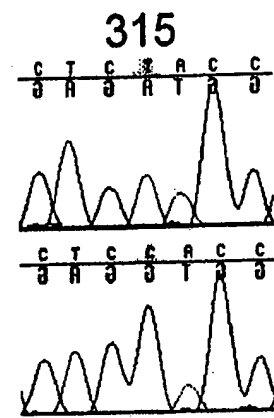
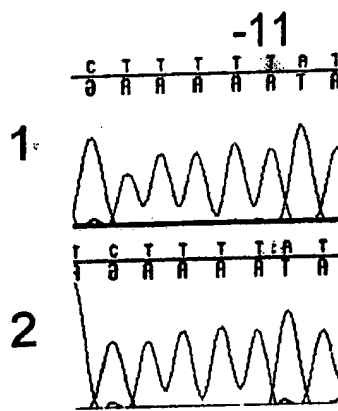
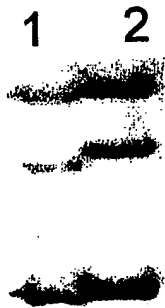


FIG. 3B

↓

Human (aa 290)	.	.	.	L	A	Y	L	D	Y	Y	L	D	D	I	I	D	L	F	N	C	L	T	N	V	.	.	.
Mouse (aa 289)	.	.	.	L	T	Y	T	N	D	F	S	D	D	I	V	K	-	F	H	C	L	A	N	V	.	.	.
Rat (aa 289)	.	.	.	L	T	Y	I	N	H	F	S	D	D	I	Y	N	-	L	N	C	L	A	N	I	.	.	.
Hamster (aa 289)	.	.	.	F	T	Y	A	N	E	F	S	E	D	I	T	D	-	F	D	C	L	A	N	V	.	.	.

FIG. 4

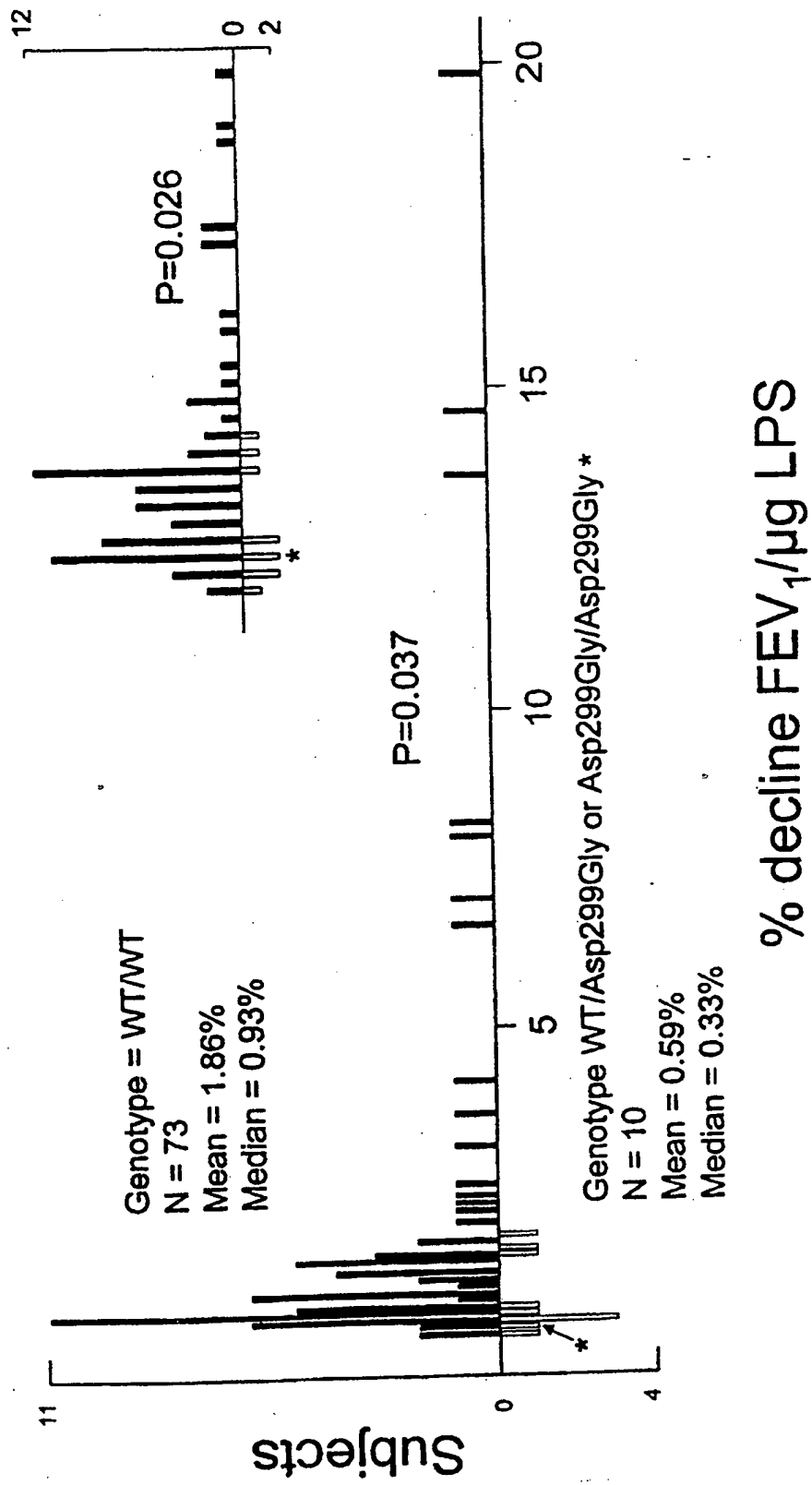


FIG. 5

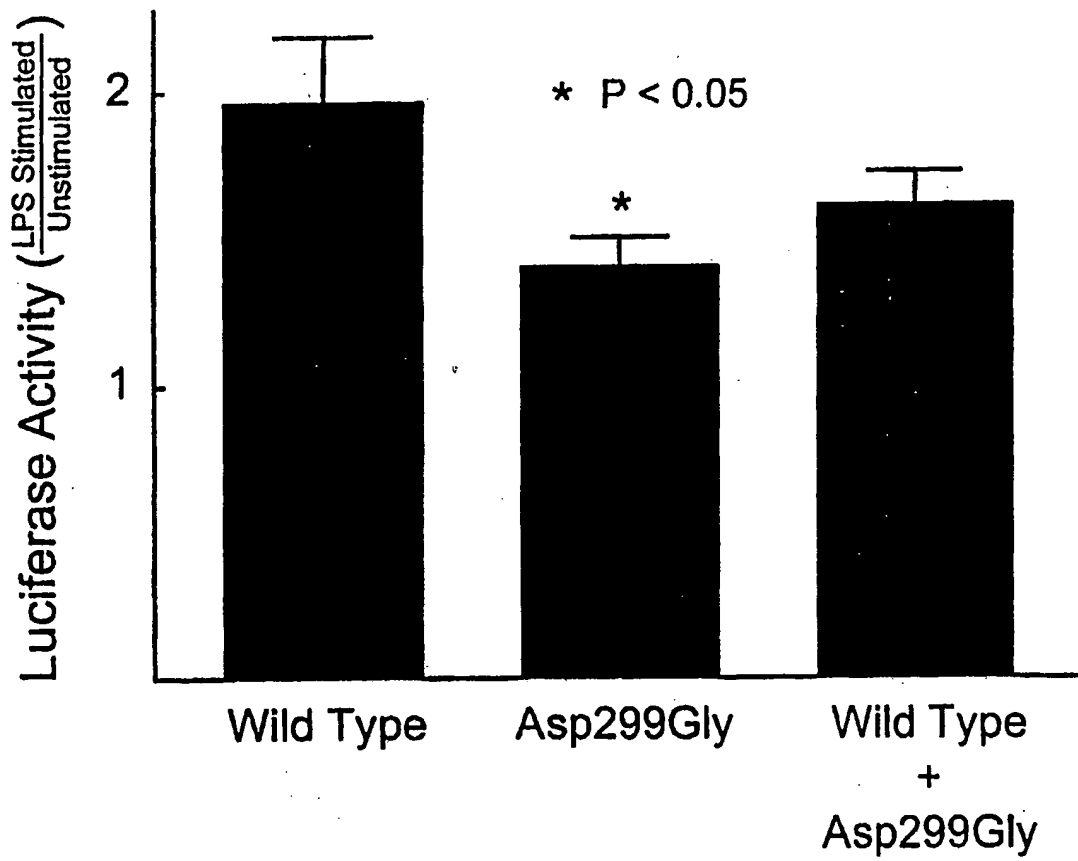


FIG. 6A

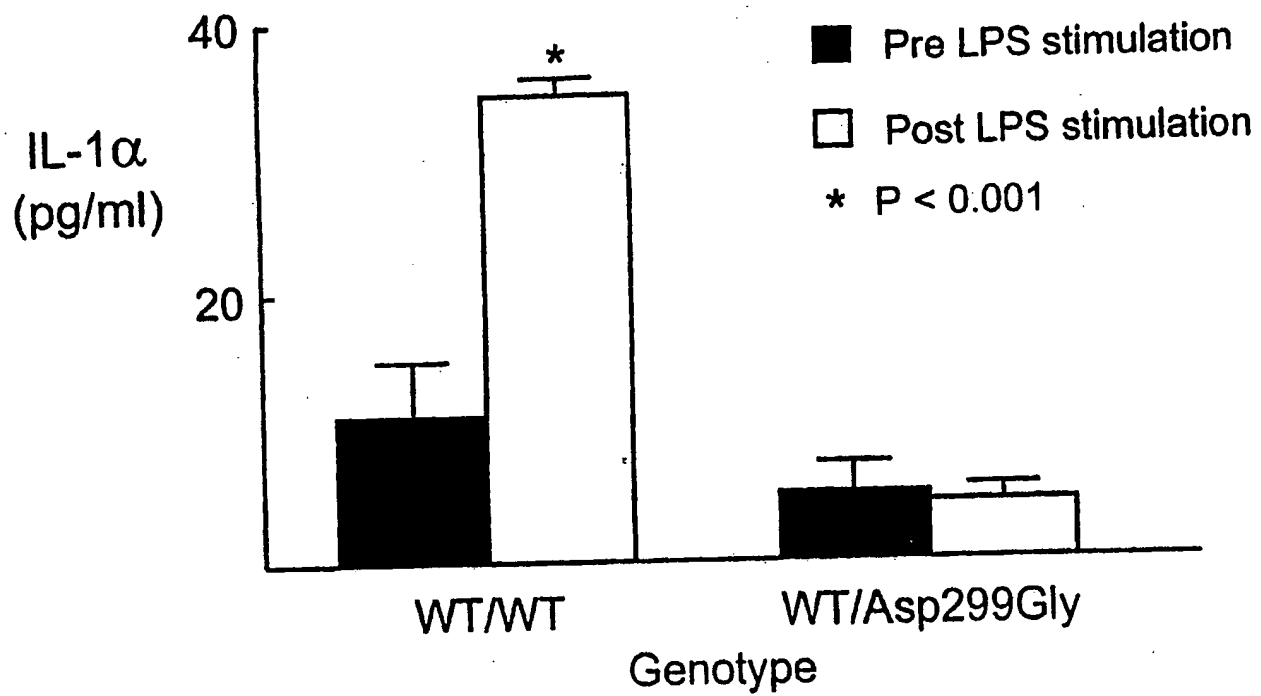


FIG. 6B

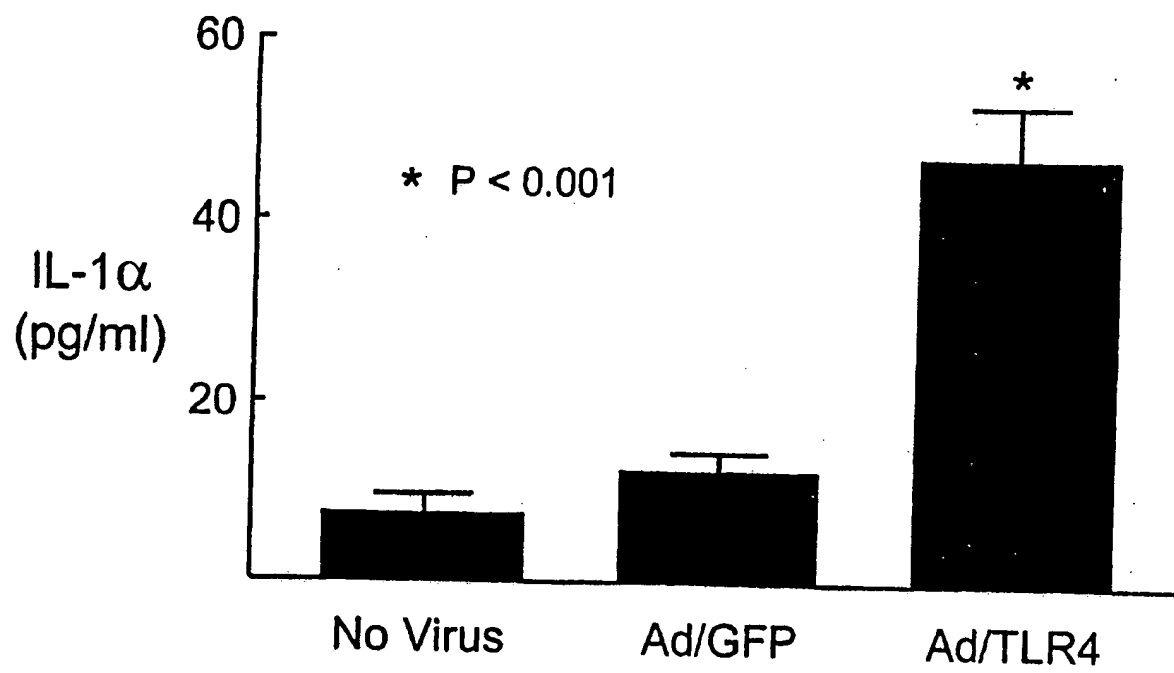


FIG. 6C

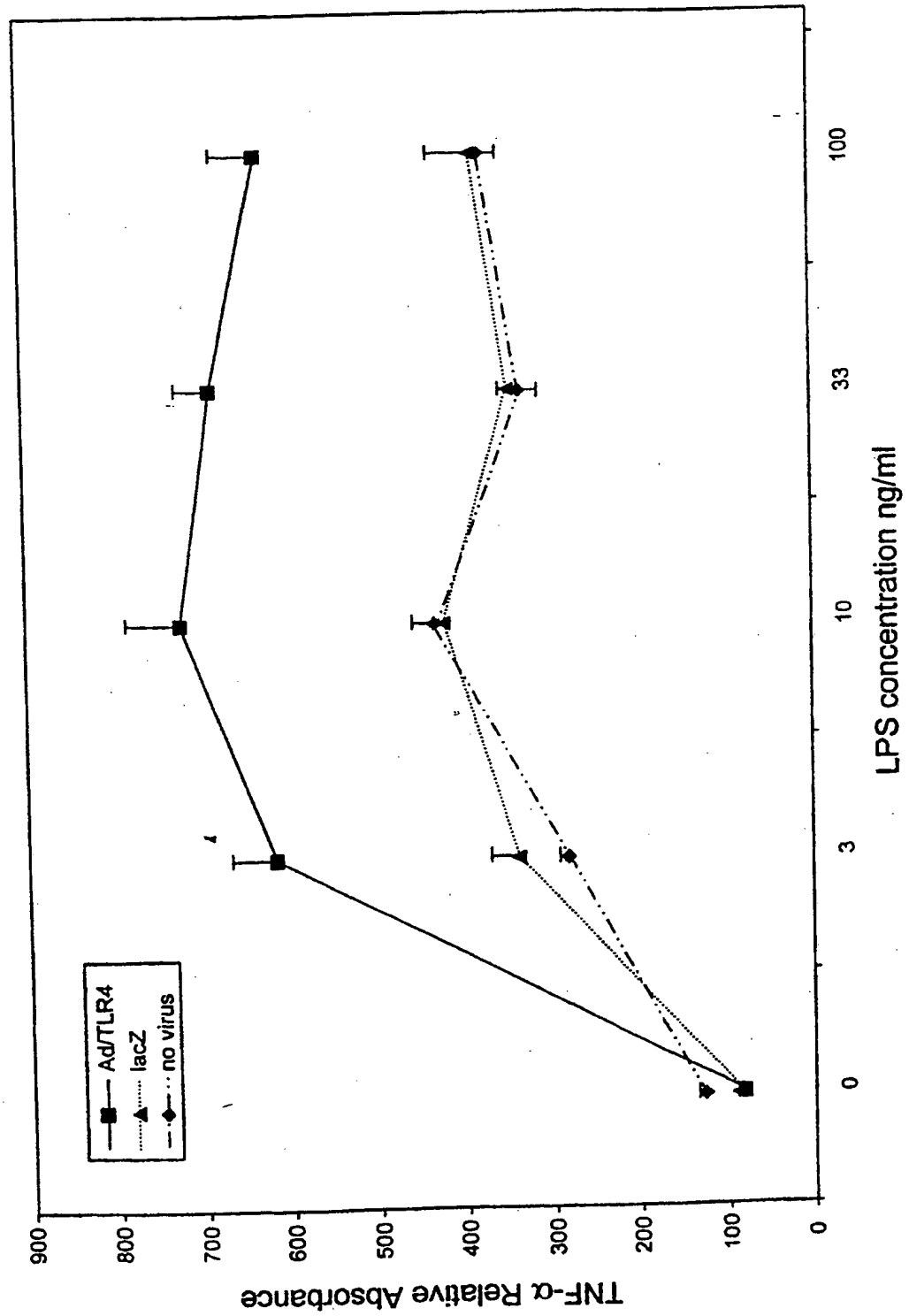


FIG. 6D

<u>Amino Acid</u>	<u>Codon</u>
Phe	UUU, UUC
Ser	UCU, UCC, UCA, UCG, AGU, AGC
Tyr	UAU, UAC
Cys	UGU, UGC
Leu	UUA, UUG, CUU, CUC, CUA, CUG
Trp	UGG
Pro	CCU, CCC, CCA, CCG
His	CAU, CAC
Arg	CGU, CGC, CGA, CGG, AGA, AGG
Gln	CAA, CAG
Ile	AUU, AUC, AUA
Thr	ACU, ACC, ACA, ACG
Asn	AAU, AAC
Lys	AAA, AAG
Met	AUG
Val	GUU, GUC, GUA, GUG
Ala	GCU, GCC, GCA, GCG
Asp	GAU, GAC
Gly	GGU, GGC, GGA, GGG
Glu	GAA, GAG

FIG. 7

Original Residue	Exemplary Substitutions	Preferred Substitutions
Ala (A)	val; leu; ile	val
Arg (R)	lys; gln; asn	lys
Asn (N)	gln; his; lys; arg	gln
Asp (D)	glu	glu
Cys (C)	ser	ser
Gln (Q)	asn	asn
Glu (E)	asp	asp
Gly (G)	pro	pro
His (H)	asn; gln; lys; arg	arg
Ile (I)	leu; val; met; ala; phe norleucine	leu
Leu (L)	norleucine; ile; val; met; ala; phe	ile
Lys (K)	arg; gln; asn	arg
Met (M)	leu; phe; ile	leu
Phe (F)	leu; val; ile; ala	leu
Pro (P)	gly	gly
Ser (S)	thr	thr
Thr (T)	ser	ser
Trp (W)	tyr	tyr
Tyr (Y)	trp; phe; thr; ser	phe
Val (V)	ile; leu; met; phe; ala; norleucine	leu

FIG. 8

HUMAN TLR4 GENOMIC SEQUENCE

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AAAATACTCC CTTGCCTCAA AAAGTGTCTG GTCAAACGGT
GATAGCAAAC CACGCATTCA CAGGGCCACT GCTGCTCACA
AAACCAGTGA GGATGATGCC AGGATGATGT CTGCCTCGCG
CCTGGCTGGG ACTCTGATCC CAGCCATGGC CTTCTCTCC
TGCGTGAGAC CAGAAAGCTG GGAGCCCTGC GTGGAGGTAT
GTGGCTGGAG TCAGCTCCTC TGAACTTTCC CTCACCTCTG
CCCAGAACTT CTCACCTGTGT GCCCTGGTTT GTTTATTTTT
GCAAAAAAAA AAAGAGTTAA ATTACCTTAA AGACTCAAGA
AGCCACAGAG ATCAAATAAT TCATTGTTAC AGGGCACTAG
AGGCAGCCAT TGGGGGTTTG TTCCATTGAG AAATTTTGAG
TGCTAACAGG GGCATGAGAT AACATAGATC TGCTTAAGGT
CCCTGCTCTG CTACCTTGTG GCTCTGTGAA GAAATTATCA
AACCTGTCTG AGACTAGTTT TCGCATCTGT AAGAGAATTA
TAATACCTTC TTCACTAGAG AGTAAGCAGA CTGCTTCAGT
GTCATTTCTT CCCACTGGTG GTCTTTACAC TCAGCTTCAA
GCAGTCACCC TGCTCCTTTC AATCTCAGGA AAAAGATGGC
TTTGTGTGTG TGTCTCT:A: G:AGAAAGAA CTTTCTAAGT
TGGTGCAGA CTTCTGTATG CAGTAATATA GTTTAGTCCA
GAGGATGAAA AAAATAAGAG A:ATGAAAAA GGAAAAGAGA
GAGAGAGA:G AAGAAAAAAG CAAGAGGGAA AT:ATGTATA
ATGTCAGCTA ATGCAAC:AG TTTCTTTCTT AGTGAAATAC
CAATCAGCTG :GTTG:GTAA TCTT:ATTCA TGATGGATCT
CTTTTGTTTT TCCCCTGCGC AGACTTC:AC AGTTGCTTTA
GAAACCCATA GTAGAGCCGA A:CAGCTAAG AAAATGATTT
ACAGTGAGGC AGGGTCAGAA ACTCAAGAGA GAAAAAGCCA
GCTGCAGTC: CTGAAGT:TG AGGATATAGG :AGAAAATCA
AGTAATATTT AGCAAAGACT AATTCATTAT CTTGAAGCCA
TCCCTTCCCT CAATTCCCTG CCCATAGTCC TCCTCCTTGT
CCTCTTCTCT GNA:TCCCTC TGCTGTTAGG TTA:ATGG:A
GATAGATTTT CTAATTANGC TCACTGCGAG ATAAAACCCA
GCCCATGTTT CTATTAGNCA ATATTGTCTT TGAGGCTCCA
TGGCTTGCAN CATTTAAGCA GACATACGAA TGAAGATCTG
CATGTTTGAA CTCTGACTTT GCGCATATTA CTTCAATTTCT
TTGAATTTCC ATTTTCCTCA TCTTTAAATG CTTATTTGAA
GATTAAGTGA AAGTATATAA CAAACAAGAA CTATGCAGGC
GTATGGTAAG GGATTAATGA TAGATGATAA TAATTAATGT
TGACATCTAT TGATCACTTA TACTGTAGCG GGCTTTTAAA
TAAACTCTTT AAACACCTTA TCTCATTTAA TCCTTCAAAC
ATTCTATTGG TTTCAAACAA CAGAAAATA CAATTAGCTG
GCTTCTGCAA GGAATTTTGT TGGAGGAAAT GAGAGCATTG
AGAAATTAGA TGGGAGCGTT AGAGAATTAG GCTTACAAAG
AATGTGGGAA AGTAGGCTAG AAAGCAGTGT AAAAACAAAG
ACAGCATAAA GCACTTGACC TTATTTACTA GGTTCCACCA
TGGGAATCCA TGCACCTCTA AGATTTCCCC CTATTTCTAC
ATCACTTTGC TCAAGGGTCA ATGAGCCAAG GAAAAGAATG

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FIG. 9A

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CAGTTGTCAA AATCTGGGCC ATGACTAAGG AAGGTCTGGA
CATCTTGACT GCCAGACAGT CTCCCAATG ATATGGAGTA
TTTAGAATGA TACTGGATAT TTTATTTATT TTTTGTATTT
TCAACTTTTA AGTTCAGAGG CACATGTGCA GAGCATGCAG
GTTTATTACA TAAGTAAATG TGTGCCATGG TGATTTGCTG
CATAGATCAT GAAAATATGG AACGCATCAT GGATTTGTGT
GTCATCCTTG TGCAGGGGCC ATGCTCATCT TCTCTGTATC
CTTCCAATTT TAGTATATGT GCTACTGCAG CAAGCACGAT
ATTGGATATT TTATTACCTA CATTTTACAT ATGATAAAAT
GAGGCTCACT GAGGTTTTTC TTTTGTTCGT TTTATTTTGT
TTTGTTTTTA AAGACTTGGC CCTAAACCAC ACAGAAGAGC
TGGCATGAAA CCCAGAGCTT TCAGACTCCG GAGCCTCAGC
CCTTCACCCC GATTCCATTG CTTCTTGCTA AATGCTGCCG
TTTTATCNCG GAGGTTAGAA TGCTGAGCAC GTAGTAGGTG
CTCTTTACTT TCTAATCTAG AGTAAGACAA TTTATAAGCA
TGAATTGAGT GAATGGATGG ATGGATATAT GGATGGAAGG
ATGGACAGAT GGATGAAAGG TTGACTGAAT TTTGTGCTTG
CACAAAAAGA GGCCCTCTC CACCATCTCT GGTCTAGGAG
AGGGGAGTTG GGAGACCATG CAGTAAAGAT ACTTCATGTC
ATGTGTAATC ATTGCAGGTG GTTCCTAATA TTACTTATCA
ATGCATGGAG CTGAATTTCT ACAAATCCC CGACAACCTC
CCCTTCTCAA CCAAGAACCT GGACCTGAGC TTTAATCCCC
TGAGGCATTT AGGCAGCTAT AGCTTCTTCA GTTTCCCAGA
ACTGCAGGTG CTGGATTTAT CCAGGTAATG AATCCACTTT
TACATACTGC ACAAGGTGAG GTGTTTCATTG TCCTATCATT
TCATTATTGG ACTGGAAAGC TTGGTTTGTG GAGTCTCATC
TTCATTCACT TATTCATTCA TACAACAGAT GTCTTATTAA
CTATATAACC TTGAGCAAGC TACCTCTATT CTCCAGGTCT
CAGTTTTCTA ATCTGTGAAG TAGGCAGTTG GCTGAGACAG
CTTCTAAGGG CAATTCTAAT TTTAGGTTTT CTTTTAAGAC
AGGAGAGAAA ATTAGCTTAA ATTCTTTCAT AAGCAGCTAT
TTATTGACTA CTTGCTATAT GTTGTAACACT CTGCAAGAAG
ACAGGCATAT ATTGATATAT AACACACAGC CCCTGTTGTT
AAGGAGGCAT ATCTTCTTGA AAGAGTTAAT ACCTTAAAGT
CCTGGGTATG GTCCTGGGTA CATAGTATAT AGTCAACACA
TTTTAATTAT GATTTTTTGG ATCTGGAAC TGATATAAAG
ATAGCGACAT ATAACAGTAG GTGATAAATT ATGTTTAAAC
TAAAGGTAAC TAATTGTATT TTTCAGAAGA GGGGCCTTCT
CTGTGGTGGG TAGTCAAGAA AGATTCATGA ACTGCATAAG
ATTCAAACAA TGTCTAGAAT ATTAATACTA GTGGTGGCAG
GTGAAATGTC ATCTTGATAT TTTAGGGGAA CCAAATTCTA
AAAGGGTTTT CATCATCGGG GCCTTATTTG CAAATCGAAC
TAGATAATGG ATCATGTTCT CTGCAATGGT TTGTAAAACA
TTTCAAACA TTTTACATAT TTTTATTAT AGAAATTATT
GATAAAGACT AAGGTCACAG TATAAAAATC CTTTTTAGAG
CAGACATTTT TGTAGAAGAG TGAACATATG ACCTATTATA
CTCTAATTTG GATATAGATA GGATGTAACA AAGGAGTAAT

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FIG. 9A(Continued)

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GGGAACAATT CAAAGGCAGT GGTATAGTGC ATANAGTCCT
GTTGGGGTCA GAAGACCTGA GCCCAAGTTT ACCCCCAACA
TTTATAACCC ATGTAACCTT AGCATATTAC TTCATCTCCC
TTAATCCTTA GTTTCATATC TGATCAATGG AAATGATGAA
ACTTATTCTG CTGGATTAAA TGTGATAATA AATATTAATA
TGCTGTATAT ATTTAAATTT TTATAAAATA TATTTTATAA
GCATAAAGTA TTCTTACAGA ATTTCATTAG GTTTTTAAAA
TAATTTCAAC TTTTATTTTT GATTCAGGGA TTTACATGGT
TATATTGCGT AATGCTGAGG TGTAGGGTAC AATCGATACC
ATCACTCAGG TAGTGAGCAT AGTACCCAAT AGTTAGTTTT
TCAACCCTTG CTGCTTTCTC TCTATCCCCT CTCTAGTAAT
CCCCAGGGTC TATTTTTGTC ATCTTTATGT CCATGTGTAC
TCCATGTTTG GATCCTACTT ATAAAGTGAG AACTCATGGT
ATTTGGCTTT CTGTNCCTTT GTTNGCTAAT TTGCTTAGGA
TAATGGCTAC TAGCTGCATC TATGCCATTA TGTCTAAAT
TTCANTTNCC TGCATGAAAA TTTTGTCAAG TACTCTATTA
AGGTAGACCA CCTCTCCCTT TTTTTTCAA ACAAGAAGTA
GNTTTTCCCA AACAAATGCC TTATGGAATT NATCTTCAAT
CCNNGGATAC CCAATAACTT GCCCCAAANC CTTAATCTGN
CTTACAGAGA GGCCACCTTC CTTCTGTAAC CCATAGGAGA
TTTGGATTGG TAAGAATGCT TTGTGATAGC CCAGCAGCCT
TCTTTCCCCT ATAGAAATAT ATATATANTC TTTTATAGG
TGAGGAACTG AAGCTTGAAT AATTTAAATG ACTTATATAC
ATNATCATTG CTTGTTAGCC ACAGACCAGA GATTTAAGTT
CNCATCTCCA GAATCCAACT TAAATGTTTT CTTTGTCTTA
ATACTCTACT TCTCTAAAGT GATTATCACC AATGTAATGA
TATAGAGNCA CAGCAAGACC CTTTCCCTCT CACCTAATGT
ATAGAGCAAT GCAGAGATAG AATGATGGGC TATAACAATC
ATATAATTGA AAGAAAGAAC TTCAAAAATA ATCAAGTTCA
GCTGTTTGAT TTATAAATGT GATAACTAAA ACCTAGAGAG
GAAAAGAGGT ACTCAAGATC ACACAGTAGG AGAGGACTGC
AGAAACACCA AACCCAAGCT CTTTGTCCA CTCTCCAGC
GTTCTTTCTA CTATACTGCC TATCCTTTAT CTAGTTACCA
ATAAATAACA AAAGCTTGGA CCACAATGCT TTTATTGTCT
AGGAAACTCC TGAAGAAGCT AAATAAAATG GGTGGGGAAT
ATTGTAAATG TAATTCAGGC TGGATTAAGA AAGAACTTAT
TTGACATTGT AACTGACAAG CACCTGCAAT GCTGAAAGGA
ATTTTTTCATT GGCNTGCTGT TTGCTGGGCT GCATCAAAGC
CCTGTCTCTA GGACATGTCT CTGAACATTG TGTGTAGCAT
GGCTTTTCATT TCTTTTAGGA TAAAATTCAA AACCTTTTAT
CTGGTTGGTA AACCTCTGCC TAATTGGGAA CCTTCTTTCT
CCACAACCTC ATATTGTACA CTCCAATTTC ATCTCTGTTC
TCCAACCATG GAAGCTATTT GTCATGATTC CTCCTGTGT
CATTTTTTTT CTGTCAACCT TGGGGCTTTT GTGTTTGCTG
TTCACCTTAC CTCCTTTTAT TGTAACTTC TACTCATCTT
TCAATTTTCA ACTTAAGTGT TCTCAGAGAA ACCTACTTTG
ATTTTCTTGG TCCANAACGG TTCTCTGGAT GTGAACTCTT

```

FIG. 9A (Continued)

ATAGCACATA ATTTTCACTT TTTTCCACAA AACTCGCTCC
 TATCACCTGT TACAAGCATT TACCTCTGAT AACAAAGAACT
 TTCAAATATC TAGCTGTCAT GTAAGCACTT TTCATAAACA
 TTAAGAGTAT CTGTGACACT TATGTGTAAT GTTTCGTATC
 TCTGAAATTG ATATTTACCA GTCATTTATC TTGGCTACCA
 ACTAACAACCT ATCCATATTA TCTGTACCAA TCAGATGTAT
 AATCACAATT TTGTGTGACA GAAAATGGCT AAACCTGATC
 CAAGGCTATT ACATGCTTT: ATCAACTGCA CAATCTTTAT
 ATATGTCAAT TATTGATCTT TAACTGATT CTTCCTTATG
 :GATTTTCTC CTCTGCTTAT CATGTATGCC TAACAT:GAC
 AAAAAAG:AG CCTA:TCATT GCAGCCAGTA TGATAATACT
 CA:GTCTGTG GGGCTTCTTA TTTGCTTAT: TCCATCATCA
 TCTGTCTCTG TTGATGTCTT TGCCTATGCA CAATCATATG
 :ACCCATCAC ATCTGTATGA AGAGC:TGGA TGACTAGGAT
 TAATATTCT: AT:::TTTAG GTTCTTATT: CAGCAGAAAT
 ATTAGATAA: TCAATGTCTT TTTATTCTTG TAGGTGTGAA
 ATCCAGACAA TTGAAGATGG GGCATATCAG AGCCT:AAGC
 CACCTCTCTA CCTTAATATT GACAGGAAAC CCCATCCAGA
 GTTTAGCCCT GGGAGCCTTT TCTGGACTAT CAAGTTTACA
 GAAGCTGGTG GCTGTGGAGA CAAATCTAGC ATCTCTAGAG
 AACTTCCCCA TTGGACATCT CAAAACCTTG AAAGAACCTTA
 ATGTGGCTCA CAATCTTATC CAATCTTTCA AATTACCTGA
 GTATTTTCT AATCTGACCA ATCTAGAGCA CTTGGACCTT
 TCCAGCAACA AGATTCAAAG TATTTATTGC ACAGACTTGC
 GGGTTCTACA TCAAATGCCC CTACTCAATC TCTCTTTAGA
 CCTGTCCCTG AACCTATGA ACTTTATCCA ACCAGGTGCA
 TTTAAAGAAA TTAGGCTTCA TAAGCTGACT TTAAGAAATA
 ATTTTGATAG TTTAAATGTA ATGAAAACCT GTATTCAAGG
 TCTGGCTGGT TTAGAAGTCC ATCGTTTGGT TCTGGGAGAA
 TTTAGAAATG AAGGAAACCT GGAAAAGTTT GACAAATCTG
 CTCTAGAGGG CCTGTGCAAT TTGACCATTG AAGAATTCCC
 GATTAGCATA CTTAGACTAC TACCTCGATG ATATTATTGA
 CTTATTTAAT TGGTTGACAA ATGGTTCTTC ATTTTCCCTG
 GTGAGTGTGA CTATTGAAAG GGTAAAAGAC TTTTCTTATA
 ATTTTCGGATG GCAACATTTA GAATTAGTTA ACTGTAAATT
 TGGACAGTTT CCCACATTGA AACTCAAATC TCTCAAAGG
 CTTACTTTCA CTTCCAACAA AGGTGGGAAT GCTTTTTCAG
 AAGTTGATCT ACCAAGCCTT GAGTTTCTAG ATCTCAGTAG
 AAATGGCTTG AGTTTCAAAG GTTGCTGTTT TCAAAGTGAT
 TTTGGGACAA CCA:GCCT:A AAGTATTTAG ATCTGAGCTT
 CAATGGTGTT A:TTACCATG AGTTCAAACCT TCTTGGGCTT
 AGAACA:ACT AGAACATCTG GATTTCCAGC ATTCCAATTT
 GAAACA:AAT GAGTGAGTTT TCAGTATTCC TA:TCACCTCA
 GAAA:CCT:C ATTTACCTTG ACATTTCTCA TACTCACACC
 AGAGTTGCTT TCAATGGCAT CTTCAATGGC TTGTCCAGTC
 TCGAAGTCTT GAAAATGGCT GGCAATTCTT TCCAGGAAAA
 CTTCTTCCA GATATCTTCA CAGAGCTGAG AAACCTTGACC

FIG. 9A (Continued)

TTCCTGGACC	TCTCTCAGTG	TCAACTGGAG	CAGTTGTCTC
CAACAGCATT	TAAC TCACTC	TCCAGTCTTC	AGGTACTAAA
TATGAGCCAC	AACAAC TTCT	TTTCATTGGA	TACGTTTCCT
TATAAGTGTC	TGAACTCCCT	CCAGGTTCTT	GATTACAGTC
TCAATCACAT	AATGACTTCC	AAAAACAGG	AACTACAGCA
TTTTCCAAGT	AGTCTAGCTT	TCTTAAATCT	TACTCAGAAT
GACTTTGCTT	GTACTTGTGA	ACACCAGAGT	TTCTTGCAAT
GGATCAAGGA	CCAGAGGCAG	CTCTTGGTGG	AAGTTGAACG
AATGGAATGT	GCAACACCTT	CAGATAAGCA	GGGCATGCCT
GTGCTGAGTT	TGAATATCAC	CTGTCAGATG	AATAAGACCA
TCATTGGTGT	GTCGGTCCTC	AGTGTGCTTG	TAGTATCTGT
TGTAGCAGTT	CTGGTCTATA	AGTTCTATTT	TCACCTGATG
CTTCTTGCTG	GCTGCATAAA	GTATGGTAGA	GGTGAAAACA
TCTATGATGC	CTTTGTTATC	TACTCAAGCC	AGGATGAGGA
CTGGGTAAAG	AATGAGCTAG	TAAAGAATTT	AGAAGAAGGG
GTGCCTCCAT	TTCAGCTCTG	CCTTCACTAC	AGAGACTTTA
TTCCCGGTGT	GGCCATTGCT	GCCAACATCA	TCCATGAAGG
TTTCATAAAA	AGCCGAAAGG	TGATTGTTGT	GGTGTCCCAG
CACTTCATCC	AGAGCCGCTG	GTGTATCTTT	GAATATGAGA
TTGCTCAGAC	CTGGCAGTTT	CTGAGCAGTC	GTGCTGGTAT
CATCTTCATT	GTCCTGCAGA	AGGTGGAGAA	GACCCTGCTC
AGGCAGCAGG	TGGAGCTGTA	CCGCC TTCTC	AGCAGGAACA
CTTACCTGGA	GTGGGAGGAC	AGTGTCTTGG	GGCGGCACAT
CTTCTGGAGA	CGACTCAGAA	AAGCCCTGCT	GGATGGTAAA
TCATGGAATC	CAGAAGGAAC	AGTGGGTACA	GGATGCAATT
GGCAGGAAGC	AACATCTATC	TGAAGAGGAA	AAATAAAAAC
CTCCTGAGGC	ATTTCTTGCC	CAGCTGGGTC	CAACACTTGT
TCAGTTAATA	AGTATTAAAT	GCTGCCACAT	GTCAGGCCTT
ATGCTAAGGG	TGAGTAATTC	CATGGTGCAC	TAGATATGCA
GGGCTGCTAA	TCTCAAGGAG	CTTCCAGTGC	AGAGGGAATA
AATGCTAGAC	TAAAATACAG	AGTCTTCCAG	GTGGGCATTT
CAACCAACTC	AGTCAAGGAA	CCCATGACAA	AGAAAGTCAT
TTCAACTCTT	ACCTCATCAA	GTTGAATAAA	GACAGAGAAA
ACAGAAAGAG	ACATTGTTCT	TTTCTGAGT	CTTTTGAATG
GAAATTGTAT	TATGTTATAG	CCATCATAAA	ACCATTTTGG
TAGTTTTGAC	TGAACTGGGT	GTTCACTTTT	TCCTTTTGA
TTGAATACAA	TTTAAATTCT	ACTTGATGAC	TGCAGTCGTC
AAGGGGCTCC	TGATGCAAGA	TGCCCTTCC	ATTTTAAGTC
TGTCTCCTTA	CAGAGGT TAA	AGTCTAGTGG	CTAATTCCTA
AGGAAACCTG	ATTAACACAT	GCTCACAACC	ATCCTGGTCA
TTCTCGAGCA	TGTTCTATTT	TTTAACTAAT	CACCCCTGAT
ATATTTTTAT	TTTTATATAT	CCAGTTTTCA	TTTTTTTACG
TCTTGCCTAT	AAGCTAATAT	CATAAATAAG	GTTGTTTAAG
ACGTGCTTCA	AATATCCATA	TTAACCCTA	TTTTTCAAGG
AAGTATGGAA	AAGTACACTC	TGTCAC TTTG	TCACTCGATG
TCATTCCAAA	GTTATTGCCT	ACTAAGTAAT	GACTGTCATG
AAAGCAGCAT	TGAAATAATT	TGTTTAAAGG	GGGCACTCTT

FIG. 9A (Continued)

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TTAAACGGGA AGAAAATTTC CGCTTCCTGG TCTTATCATG
GACAATTTGG GCTATAGGCA TGAAGGAAGT GGGATTACCT
CAGGAAGTCA CCTTTTCTTG ATTCCAGAAA CATATGGGCT
GATAAACCCG GGGTGACCTC ATGAAATGAG TTGCAGCAGA
TGTTTATTTT TTTCAGAACA AGTGATGTTT GATGGACCTA
TGAATCTATT TAGGGAGACA CAGATGGCTG GGATCCCTCC
CCTGTACCCT TCTCACTGCC AGGAGAACTA CGTGTGAAGG
TATTCAAGGC AGGGAGTATA CATTGCTGTT TCCTGTTGGG
CAATGCTCCT TGACCACATT TTGGGAAGAG TGGATGTTAT
CATTGAGAAA ACAATGTGTC TGGAATTAAT GGGGTTCTTA
TAAAGAAGGT TCCCAGAAAA GAATGTTCAT TCCAGCTTCT
TCAGGAAACA GGAACATTCA AGGAAAAGGA CAATCAGGAT
GTCATCAGGG AAATGAAAAT AAAAACCACA ATGAGATATC
ACCTTATACC AGGTAGATGG CTACTATAAA AAAATGAAGT
GTCATCAAGG ATATAGAGAA ATTGGAACCC TTCTTCACTG
CTGGAGGGGA TGGAAAATGG TGTAGCCGTT ATGAAAAACA
GTACGGAGGT TTCTCAAAAA TTAATAATAG AACTGCTATA
TGATCCAGCA ATCTCACTTC TGTATATATA CCCAAAATAA
TTGAAATCAG AATTTCAAGA AAATATTTAC ACTCCCATGT
TCATTGTGGC ACTCTTCACA ATCACTGTTT CCAAAGTTAT
GGAAACAACC CAAATTTCCA TTGGAAAATA AATGGACAAA
GGAAATGTGC ATATAACGTA CAATGGGGAT ATTATTCAGC
CTAAAAAAG GGGGGATCCT GTTATTTATG ACAACATGAA
TAAACCCGGA GGCCATTATG CTATGTAAAA TGAGCAAGTA
ACAGAAAGAC AAATACTGCC TGATTTTCATT TATATGAGGT
TCTAAAATAG TCAAACTCAT AGAAGCAGAG AATAGAACAG
TGGTTCCTAG GGAAAAGGAG GAAGGGAGAA ATGAGGAAAT
AGGGAGTTGT CTAATTGGTA TAAAATTATA GTATGCAAGA
TGAATTAGCT CTAAAGATCA GCTGTATAGC AGAGTTCGTA
TAATGAACAA TACTGTATTA TGCACTTAAC ATTTTGTAA
GAGGGTACCT CTCATGTTAA GTGTTCTTAC CATATACATA
TACACAAGGA AGCTTTTGGA GGTGATGGAT ATATTTATTA
CCTTGATTGT GGTGATGGTT TGACAGGTAT GTGACTATGT
CTAAACTCAT CAAATTGTAT ACATTAAATA TATGCAGTTT
TATAATATCA AAAAAAAAAA AAAAAAAA

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FIG. 9A (Continued)

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1  TTCCAATTCT AAGAGCTGCC TAGAGTAGTC AAGATTATAG AGACAAAAGT
51 AGTGCATAGA TTCAAGGGCC TAGGGAAAGG GGAAATGGGG AGTTATTTAT
101 TAATGAATAG TGGTGATGAT TGTACAAAAA TATGAACATA ATTAATGCCA
151 CTAAATTGTN CACATACAAA TGGTCAAGAT AATAAATTTT ATGTTATGTC
201 ATGTTATGTT ATGTGATTTT ACCATAATAC AGAAAATGAA AAAAGAAAAG
251 AAAGAAAGTA AAGCTTAGCG GTTTNCATGA CTTGNCCAAT GCCTCAAAGC
301 CATGAGTCGA CCCAGCTGAG ATCTGANCTT CAGTATATTC CATTCTGAAA
351 TCCCAGACTT TTCCCAATCT TCTTGACTT TTCAAAGTGT GTTTCAGTTG
401 AGGTTTATTT TCAGTTTTGT ATGTGAGTTT CTTCGCAAGA AGGGCGGGCC
451 AAATTGTGTC CTGCAAAAAC CTACATATCG AAGTCCTAAC CCCTCTACCT
501 CAGACTATGA CTGTATATGG AGAGAGAGCC TTGAAAGAGG TATGTAAGGT
551 AGAATGAGGT CATTATGGTG GGCCCTAATC CAACATAACT GGTGTCCTTA
601 TAAGAAGGGG AGATTAGAAT TCAGACACAC TTGCTGACAC CTTGAGTTCA
651 GACTGGAAGC CTCTAGAATT GTGAGAAAAT GAATGTCTGT TGTTTAAGCC
701 ACCCAGTCTG TGGTATTTCC TTATGGCAGC CCCAGCAAAC TAATACAAAT
751 AGTGTTTCCA CAGCTGAAAC AAAATTGGAA AATCACCGTC ATCCTAGAGA
801 GTTACAAGGG CTATTTTAAT AGAACCTGAT TGTTTTCTTA AATTCACCAA
851 GCCCAGGCAG AGGTCAGATG ACTAATTGGG ATAAAAGCCA ACTAGCTTCC
901 TCTTGCTGTT TCTTTAGCCA CTGGTCTGCA GCGTTTTTCT TCTTCTAACT
951 TCCTCTCCTG TGACAAAAGA GATAACTATT AGAGAAACAA AAGTCCAGAA
1001 TGCTAAGGTT GCCGCTTTCA CTTCCCTCTCA CCCTTTAGCC CAGAACTGCT
1051 TTGAATACAC CAATTGCTGT GGGGCGGCTC GAGGAAGAGA AGACACCAGT
1101 GCCTCAGAAA CTGCTCGGTC AGACGGTGAT AGCGAGCCAC GCATTACAG
1151 GGCCACTGCT GCTCACAGAA GCAGTGAGGA TGATGCCAGG ATGATGTCTG
1201 CCTCGCGCCT GGCTGGGACT CTGATCCCAG CCATGGCCTT CCTCTCCTGC
1251 GTGAGACCAG AAAGCTGGGA GCCCTGCGTG GAGGTATGTG GCTGGAGTCA
1301 GCTCCTCTGA ACTTTCCTC ACTTCTGCCC AGAACTTCTC ACTGTGTGCC
1351 CTGGTTTGT

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FIG. 9B

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1   CGCATCATGG ATTTGTGTGT CATCCTTG TG CAGGGGCCAT GCTCATCTTC
51  TCTGTATCCT TCCAATTTTA GTATATGTGC TACTGCAGCA AGCACGATAT
101 TGGATATTTT ATTACCTACA TTTTACATAT GATAAAATGA GGCTCACTGA
151 GGTTTTTTCTT TTGTTTCGTTT TATTTTGTTT TGTTTTTAAA GACTTGCCCC
201 TAAACCACAC AGAAGAGCTG GCATGAAACC CAGAGCTTTC AGACTCCGGA
251 GCCTCAGCCC TTCACCCCGA TTCCATTGCT TCTTGCTAAA TGCTGCCGTT
301 TTATCACGGA GGTTAGAATG CTGAGCACGT AGTAGGTGCT CTTTACTTTC
351 TAATCTAGAG TAAGACAATT TATAAGCATG AATTGAGTGA ATGGATGGAT
401 GGATATATGG ATGGAAGGAT GGACAGATGG ATGAAAGGTT GACTGAATTT
451 TGTGCTTGCA CAAAAGAGG CCCCTCTCCA CCATCTCTGG TCTAGGAGAG
501 GGGAGTTGGG AGACCATGCA GTAAAGATAC TTCATGTCAT GTGTAATCAT
551 TGCAGGTGGT TCCTAATATT ACTTATCAAT GCATGGAGCT GAATTTCTAC
601 AAAATCCCCG ACAACCTCCC CTTCTCAACC AAGAACCTGG ACCTGAGCTT
651 TAATCCCCTG AGGCATTTAG GCAGCTATAG CTTCTTCAGT TTCCCAGAAC
701 TGCAGGTGCT GGATTTATCC AGGTAATGAA TCCACTTTTA CATACTGCAC
751 AAGGTGAGGT GTTCATTGTC CTATCATTTT ATTATTGGAC TGGAAAGCTT
801 GGTTCGTGGA GTCTCATCTT CATTCACTTA TTCATTGATA CAACAGATGT
851 CTTATTAACT ATATAACCTT GAGCAAGCTA CCTCTATTCT CCAGGTCTCA
901 GTTTTCTAAT CTGTGAAGTA GGCAGTTGGC TGAGACAGCT TCTAAGGGCA
951 ATTCTAATTT TAGGTTTTCT TTTAAGACAG GAGAGAAAAT TAGCTTAAAT
1001 TCTTTCATAA GCAGCTATTT ATTGACTACT TGCTATATGT TGTACACTCT
1051 GCAAGAAGAC AGGCATATAT TGATATATAA CACACAGCCC CTGTTGTTAA
1101 GGAGGCATAT CTTCTTGAAA GAGTTAATAC CTTAAAGTCC TGGGTATGGT
1151 CCTGGGTACA TAGTATATAG TCAACACATT TTAATTATGA TTTTTTGGAT
1201 CTGGAACTG ATATAAAGAT AGCGACATAT AACAGTAGGT GATAAATTAT
1251 GTTTAACTA AAGGTAATA ATTGATTTTT TCAGAAGAGG GGCCTTCTCT
1301 GTGGTGGGTA GTCAAGAAAG ATTCATGAAC TGC

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FIG. 9C

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1  GGTAAGAATG CTTTGTGATA GCCCAGCAGC CTTCTTTCCC CTATAGAAAT
51  ATATATATAN TCTTTTTTATA GGTGAGGAAC TGAAGCTTGA ATAATTTAAA
101  TGACTIONATAT ACATNATCAT TGCTTGTTAG CCACAGACCA GAGATTTAAG
151  TTCNCATCTC CAGAATCCAA CTTAAATGTT TTCTTTGTCT TAATACTCTA
201  CTTCTCTAAA GTGATTATCA CCAATGTAAT GATATAGAGN CACAGCAAGA
251  CCCTTTCCTT CTCACCTAAT GTATAGAGCA ATGCAGAGAT AGAATGATGG
301  GCTATAACAA TCATATAATT GAAAGAAAGA ACTTCAAAAA TAATCAAGTT
351  CAGCTGTTTG ATTTATAAAT GTGATAACTA AAACCTAGAG AGGAAAAGAG
401  GACTCAAGA TCACACAGTA GGAGAGGACT GCAGAAACAC CAAACCCAAG
451  CTCTTTTGTC CACTCTTCCA GCGTCTTTC TACTATACTG CCTATCCTTT
501  ATCTAGTTAC CAATAAATAA CAAAAGCTTG GACCACAATG CTTTATTGT
551  CTAGGAAACT CCTGAAGAAG CTAAATAAAA TGGGTGGGGA ATATTGTAAA
601  TGTAATTCAG GCTGGATTAA GAAAGAACTT ATTTGACATT GTAACGTACA
651  AGCACCTGCA ATGCTGAAAG GAATTTTTC TTTGCTGCTG GTTTGCTGGG
701  CTGCATCAAA GCCCTGTCTC TAGGACATGT CTCTGAACAT TGTGTGTAGC
751  ATGGCTTTCA TTTCTTTTAG GATAAAATTC AAAACCTTT ATCTGGTTGG
801  TAAACCTCTG CCTAATTGGG AACCTTCTTT CTCCACAAC CCATATTGTA
851  CACTCCAATT TCATCTCTGT TCTCCAACCA TGAAGCTAT TTGTCATGAT
901  TCCTCCTTGT GTCATTTTTT TTCTGTCAAC CTTGGGGCTT TTGTGTTTGC
951  TGTTCACCTC ACCTCCTTTT ATTGTTAACT TCTACTCATC TTTCAATTTT
1001  CAACTTAAGT GTTCTCAGAG AAACCTACTT TGATTTTCTT GGTCCANAAC
1051  GGTCTCTCTG ATGTGAACTC TTATAGCACA TAATTTTTC TTTTTCAC
1101  AAAACTCGCT CCTATCACCT GTTACAAGCA TTTACCTCTG ATAACAAGAA
1151  CTTTCAAATA TCTAGCTGTC ATGTAAGCAC TTTTCATAAA CATTAGAGT
1201  ATCTGTGACA CTTATGTGTA ATGTTTCGTA TCTCTGAAAT TGATATTTAC
1251  CAGTCATTTA TCTTGGCTAC CAACTAACAA CTATCCATAT TATCTGTACC
1301  AATCAGATGT ATAATCACAA TTTTGTGTGA CAGAAAATGG CTAAACTTGA
1351  TCCAAGGCTA TTACATGCTT TATCAACTGC ACAATCTTTA TATATGTCAA
1401  TTATTGATCT TTANCTGATT TCCTTCTTAT GGATTTTCTC CTCTGCTTAT
1451  CATGTATGCC TAACATGACA AAAAAGAGCC TATCATTGCA GCCAGTATGA
1501  TAATACTCAG TCTGTGGGGC TTCTTATTTG CTTATTCCAT CATCATCTGT
1551  CCTGCTTGAT GTCTTTGCCT ATGCACAATC ATATGACCCA TCACATCTGT
1601  ATGAAGAGCT GGATGACTAG GATTAATATT CTATTTTAGG TTCTTATFCA
1651  GCAGAAATAT TAGATAATCA ATGTCTTTTT ATTCTGTAG GTGTGAAATC
1701  CAGACAATTG AAGATGGGGC ATATCAGAGC CTAAGCCACC TCTCTACCTT
1751  AATATTGACA GGAAACCCCA TCCAGAGTTT AGCCCTGGGA GCCTTTTCTG
1801  GACTATCAAG TTTACAGAAG CTGGTGGCTG TGGAGACAAA TCTAGCATCT
1851  CTAGAGAACT TCCCCATTGG ACATCTCAAA ACTTTGAAAG AACTTAATGT
1901  GGCTCACAAT CTTATCCAAT CTTTCAAATT ACCTGAGTAT TTTTCTAATC
1951  TGACCAATCT AGAGCACTTG GACCTTTCCA GCAACAAGAT TCAAAGTATT
2001  TATTGCACAG ACTTGCGGGT TCTACATCAA ATGCCCCTAC TCAATCTCTC
2051  TTTAGACCTG TCCCTGAACC CTATGAACTT TATCCAACCA GGTGCATTTA
2101  AAGAAATTAG GCTTCATAAG CTGACTTTAA GAAATAATTT TGATAGTTTA
2151  AATGTAATGA AACTTGTAT TCAAGGTCTG GCTGGTTTAG AAGTCCATCG
2201  TTTGGTTCTG GGAGAAATTA GAAATGAAGG AACTTGGAA AAGTTTGACA

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FIG. 9D

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2251 AATCTGCTCT AGAGGGCCTG TGCAATTGA CCATTGAAGA ATTCCGATTA
2301 GCATACTTAG ACTACTACCT CGATGATATT ATTGACTTAT TTAATTGTTT
2351 GACAAATGTT TCTTCATTTT CCCTGGTGAG TGTGACTATT GAAAGGGTAA
2401 AAGACTTTTC TTATAATTTC GGATGGCAAC ATTTAGAATT AGTTAACTGT
2451 AAATTTGGAC AGTTTCCAC ATTGAACTC AAATCTCTCA AAAGGCTTAC
2501 TTTCACTTCC AACAAAGGTG GGAATGCTTT TTCAGAAGTT GATCTACCAA
2551 GCCTTGAGTT TCTAGATCTC AGTAGAAATG GCTTGAGTTT CAAAGGTTGC
2601 TGTCTCATAA GTGATTTTGG GACAACCAGC CTAAAGTATT TAGATCTGAG
2651 CTTCAATGGT GTTATTACCA TGAGTTCAAA CTTCTTGGGC TTAGAACAAC
2701 TAGAACATCT GGATTTCCAG CATTCCAATT TGAAACAAAT GAGTGAGTTT
2751 TCAGTATTCC TATCACTCAG AAACCTCATT TACCTTGACA TTTCTCATAC
2801 TCACACCAGA GTTGCTTTCA ATGGCATCTT CAATGGCTTG TCCAGTCTCG
2851 AAGTCTTGAA AATGGCTGGC AATTCTTTCC AGGAAAACCT CTTCCAGAT
2901 ATCTTCACAG AGCTGAGAAA CTTGACCTTC CTGGACCTCT CTCAGTGTCA
2951 ACTGGAGCAG TTGTCTCCAA CAGCATTTAA CTCACTCTCC AGTCTTCAGG
3001 TACTAAATAT GAGCCACAAC AACTTCTTTT CATTGGATAC GTTTCCTTAT
3051 AAGTGTCTGA ACTCCTCCA GGTCTTGAT TACAGTCTCA ATCACAATAA
3101 GACTTCCAAA AAACAGGAAC TACAGCATTT TCCAAGTAGT CTAGCTTTCT
3151 TAAATCTTAC TCAGAATGAC TTTGCTTGTA CTTGTGAACA CCAGAGTTTC
3201 CTGCAATGGA TCAAGGACCA GAGGCAGCTC TTGGTGGAAG TTGAACGAAT
3251 GGAATGTGCA ACACCTTCAG ATAAGCAGGG CATGCTGTG CTGAGTTTGA
3301 ATATCACCTG TCAGATGAAT AAGACCATCA TTGGTGTGTC GGTCTCAGT
3351 GTGCTTGTAG TATCTGTTGT AGCAGTTCTG GTCTATAAGT TCTATTTTCA
3401 CCTGATGCTT TTTGCTGGCT GCATAAAGTA TGGTAGAGGT GAAAACATCT
3451 ATGATGCCTT TGTATCTAC TCAAGCCAGG ATGAGGACTG GGTAAAGGAA
3501 GAGCTAGTAA AGAATTTAGA AGAAGGGGTG CCTCCATTTC AGCTCTGCCT
3551 TCACTACAGA GACTTTATTC CCGGTGTGGC CATTGCTGCC AACATCATCC
3601 ATGAAGGTTT CCATAAAGC CGAAAGGTGA TTGTTGTGGT GTCCAGCAC
3651 TTCATCCAGA GCCGCTGGTG TATCTTTGAA TATGAGATTG CTCAGACCTG
3701 GCAGTTTCTG AGCAGTCGTG CTGGTATCAT CTTCAATTGTC CTGCAGAAGG
3751 TGGAGAAGAC CCTGCTCAGG CAGCAGGTGG AGCTGTACCG CTTCTCAGC
3801 AGGAACACTT ACCTGGAGTG GGAGGACAGT GTCTTGGGGC GGCACATCTT
3851 CTGGAGACGA CTCAGAAAAG CCCTGCTGGA TGGTAAATCA TGGAAATCCAG
3901 AAGGAACAGT GGGTACAGGA TGCAATTGGC AGGAAGCAAC ATCTATCTGA
3951 AGAGGAAAAA TAAAAACCTC CTGAGGCATT TCTTGCCAG CTGGGTCCAA
4001 CACTTGTTCA GTTAATAAGT ATTAAATGCT GCCACATGTC AGGCCTTATG
4051 CTAAGGGTGA GTAATTCCAT GGTGCACTAG ATATGCAGGG CTGCTAATCT
4101 CAAGGAGCTT CCAGTGCAGA GGAATAAAT GCTAGACTAA AATACAGAGT
4151 CTTCCAGGTG GGCATTTCAA CCAACTCAGT CAAGGAACCC ATGACAAAGA
4201 AAGTCATTTT AACTCTTACC TCATCAAGTT GAATAAAGAC AGAGAAAAACA
4251 GAAAGAGACA TTGTTCTTTT CCTGAGTCTT TTGAATGGAA-ATTGTATTAT
4301 GTTATAGCCA TCATAAAACC ATTTTGGTAG TTTTGAAGTA ACTGGGTGTT
4351 CACTTTTTTC TTTTGTATTG AATACAATTT AAATTCTACT TGATGACTGC
4401 AGTCGTCAAG GGGCTCCTGA TGCAAGATGC CCCTTCCATT TTAAGTCTGT
4451 CTCCTTACAG AGGTTAAAGT CTAGTGGCTA ATTCCTAAGG AAACCTGATT
4501 AACACATGCT CACAACCATC CTGGTCATTC TCGAGCATGT TCTATTTTTT
4551 AACTAATCAC CCCTGATATA TTTTATTTT TATATATCCA GTTTTCATTT

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FIG. 9D (Continued)

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4601 TTTTACGTCT TGCCTATAAG CTAATATCAT AAATAAGGTT GTTTAAGACG
4651 TGCTTCAAAT ATCCATATTA ACCACTATTT TTCAAGGAAG TATGGAAAAG
4701 TACACTCTGT CACTTTGTCA CTCGATGTCA TTCCAAAAGT ATTGCCTACT
4751 AAGTAATGAC TGTCATGAAA GCAGCATTGA AATAATTTGT TTAAAGGGGG
4801 CACTCTTTTA AACGGGAAGA AAATTTCCGC TTCCTGGTCT TATCATGGAC
4851 AATTTGGGCT AGAGGCAGGA AGGAAAGTGG ATGACCTCAG GAGGTCACCT
4901 TTTCTTGATT CCAGAAACAT ATGGGCTGAT AAACCCGGGG TGACCTCATG
4951 AAATGAGTTG CAGCAGAAGT TTATTTTTTT CAGAACAAGT GATGTTTGAT
5001 GGACCTCTGA ATCTCTTTAG GGAGACACAG ATGGCTGGGA TCCCTCCCTT
5051 GTACCCTTCT CACTGCCAGG AGAACTACGT GTGAAGGTAT TCAAGGCAGG
5101 GAGTATACAT TGCTGTTTCC TGTGGGGCAA TGCTCCTTGA CCACATTTTG
5151 GGAAGAGTGG ATGTTATCAT TGAGAAAACA ATGTGTCTGG AATTAATGGG
5201 GTTCTTATAA AGAAGGTTCC CAGAAAAGAA TGTTCATCCA GCCTCCTCAG
5251 AAACAGAACA TTCAAGAAAA GGACAATCAG GATGTCATCA GGGAAATGAA
5301 AATAAAAACC ACAATGAGAT ATCACCTTAT ACCAGGTAGA ATGGCTACTA
5351 TAAAAAATG AAGTGTCATC AAGGATATAG AGAAATTGGA ACCCTTCTTC
5401 ACTGCTGGAG GGAATGGAAA ATGGTGTAGC CGTTATGAAA AACAGTACGG
5451 AGGTTTCTCA AAAATTAAAA ATAGAAGTGC TATATGATCC AGCAATCTCA
5501 CTTCTGTATA TATACCCAAA ATAATTGAAA TCAGAATTC AAGAAAATAT
5551 TTACACTCCC ATGTTCAATG TGGCACTCTT CACAATCACT GTTTCCAAAG
5601 TTATGGAAAC AACCCAAAT TCCATTGAAA AATAAATGGA CAAAGAAAAAT
5651 GTGCATATAC GTACAATGGG ATATTATTCA GCCTAAAAAA AGGGGGNATC
5701 CTGTTATTTA TGACAACATG AATAAACCCG GAGCCATTAT GCTATGTAAA
5751 ATGAGCAAGT AACAGAAAGA CAAATACTGC CTGATTTTCT TTATATGAGG
5801 TTCTAAATA GTCAAACTCA TAGAAGCAGA GAATAGAACA GTGGTTCCCTA
5851 GGGAAAAGGA GGAAGGGAGA AATGAGGAAA TAGGGAGTTG TCTAATTGGT
5901 ATAAAATTAT AGTATGCAAG ATGAATTAGC TCTAAAGATC AGCTGTATAG
5951 CAGAGTTCGT ATAATGAACA ATACTGTATT ATGCACTTAA CATTTTGTGA
6001 AGAGGGTACC TCTCATGTTA AGTGTTCTTA CCATATACAT ATACACAAGG
6051 AAGCTTTTGG AGGTGATGGA TATATTTATT ACCTTGATTG TGGTGATGGT
6101 TTGACAGGTA TGTGACTATG TCTAACTCA TCAAATTGTA TACATTAAAT
6151 ATATGCAGTT TTATAATATC AATTATGTCT GAATGAAGCT ATAAAAAAGA
6201 AAAGACAACA AAATTCAGTT GTCAAACTG GAAATATGAC CACAGTCAGA
6251 AGTGTTTGTT ACTGAGTGTT TCAGAGTGTG TTTGGTTTGA GCAGGTCTAG
6301 GGTGATTGAA CATCCCTGGG TGTGTTTCCA TGTCTCATGT ACTAGTGAAA
6351 GTAGATGTGT GCATTTGTGC ACATATCCCT ATGTATCCCT ATCAGGGCTG
6401 TGTGTATTTG AAAGTGTGTG TGTCCGCATG ATCATATCTG TATAGAAGAG
6451 AGTGTGATTA TATTTCTTGA AGAATACATC CATTTGAAAT GGATGTCTAT
6501 GGCTGTTTGA GATGAGTTCT CTACTCTTGT GCTTGATACG TAGTCTCCCC
6551 TTATCCCTTA TGCTTGGTGG ATACGTTCTT AGACCCCAAG TGGATCTCTG
6601 AGACCGCAGA TGGTACCAAA CCTCATATAT GCAATATTTT TTCTTATACA
6651 TAAATACCTA AGATAAAGTT CATCTTCTGA ATTAGGCACA GTAAGAGATT
6701 AACAAATACT AACAAATAAA TTGAATAGTT ATAATAATAT ATTGTAATAA
6751 AAGTTATGTG AATGTGATCT CTTCTTTTTC TCTCTC

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FIG. 9D (Continued)